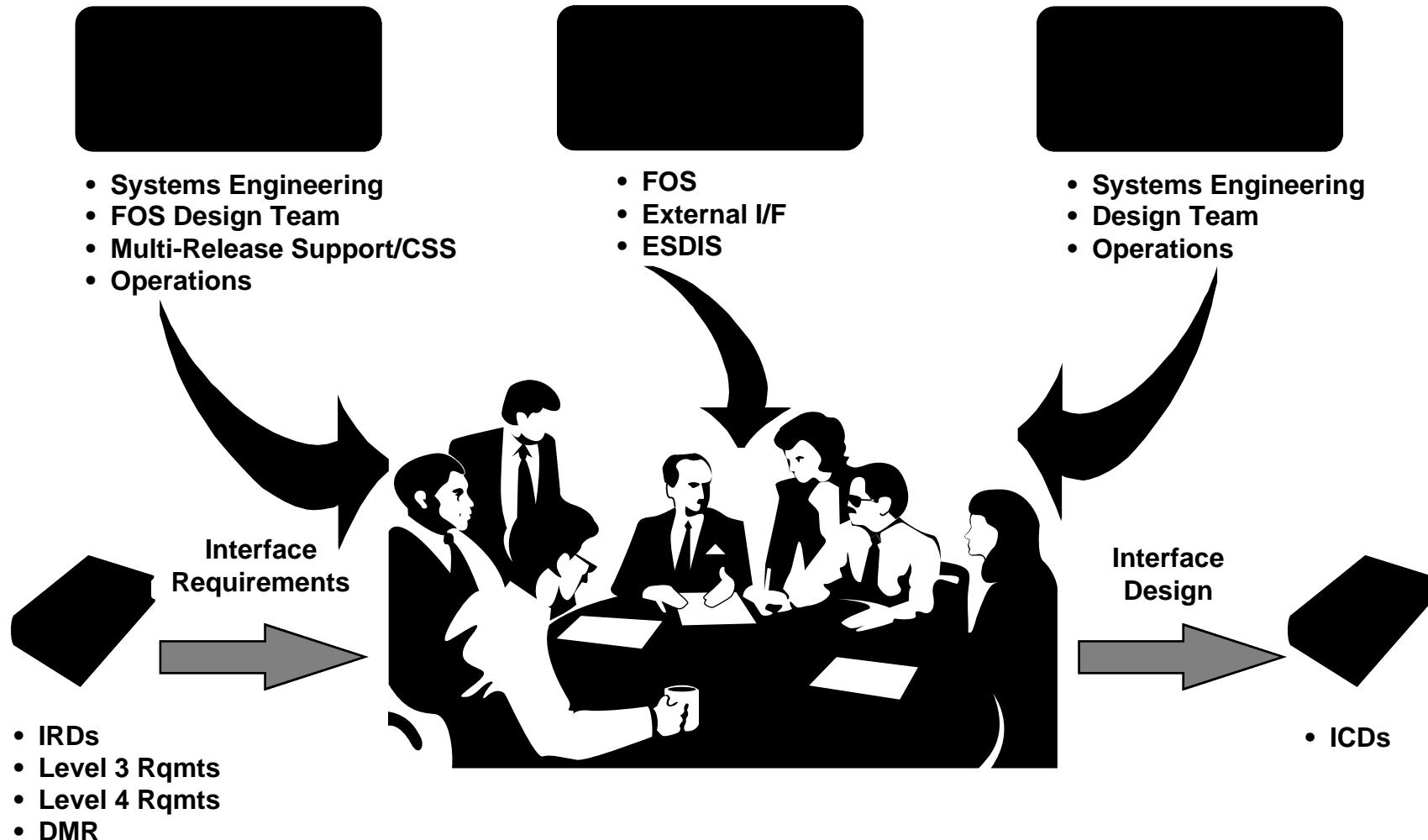
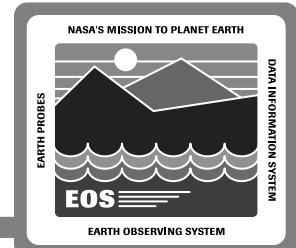


ICD Engineering

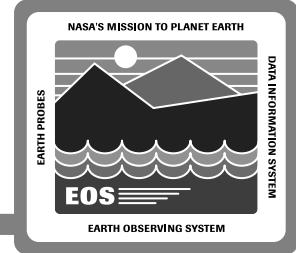
Carol Chachulski

16 October 1995

ICD Development Process



FOS External ICDs



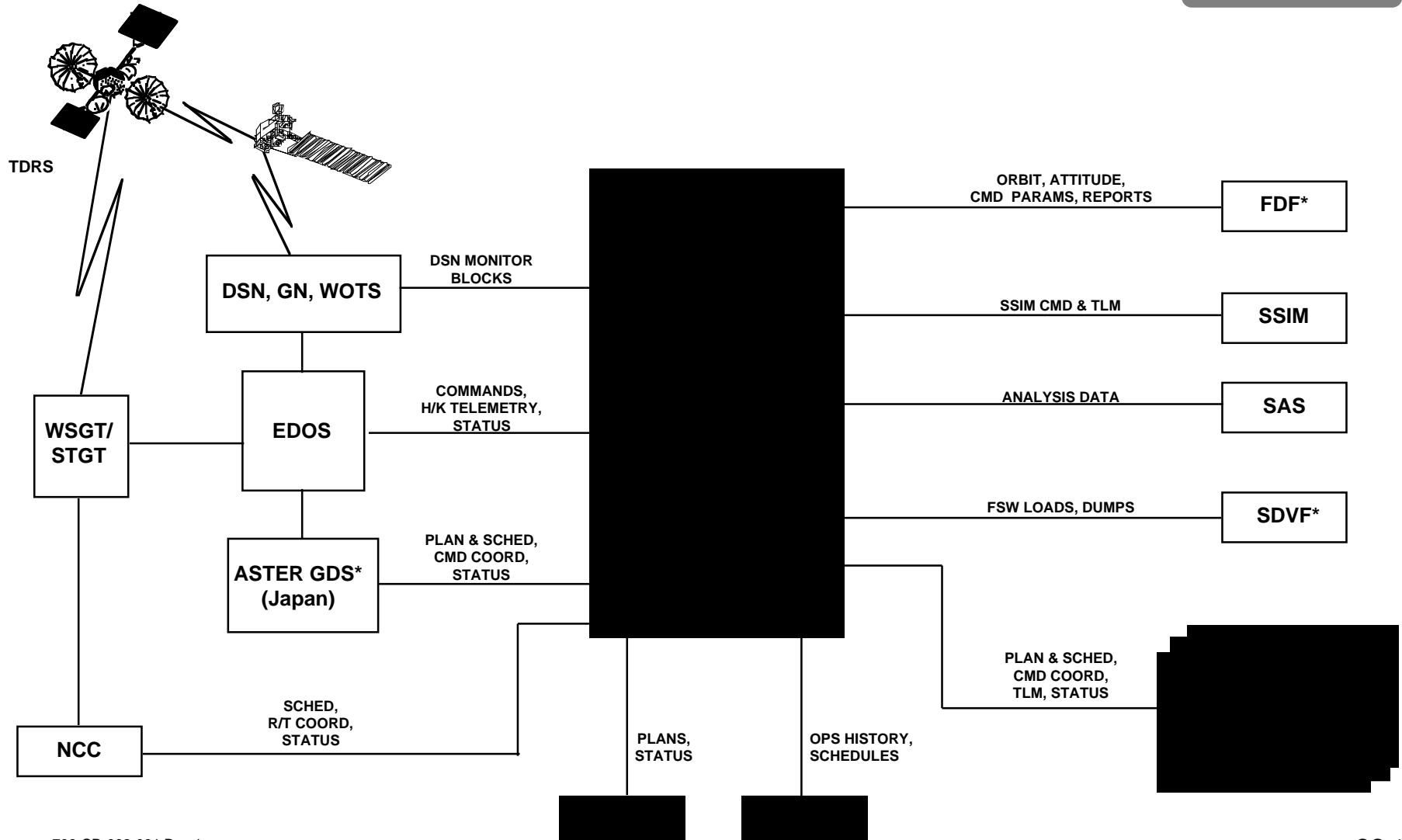
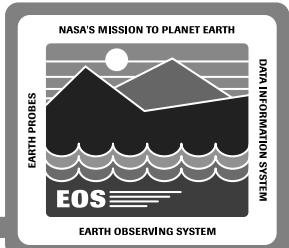
ECS “Lead” for ICD Development

- ASTER GDS
- AM-1 (SAS, SDVF, Data Base DFCD)

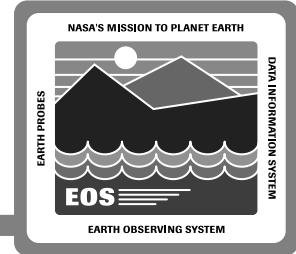
ECS “Support” for ICD Development

- EDOS
- FDF
- EBnet
- SSIM
- NCC
- JPL/DSN

FOS Context Diagram



FOS External Interfaces



ASTER GDS

- ECS IST at the ASTER ICC
 - Provides standard interface to the EOC
 - FTP to exchange products with the AOS
 - IOT access to IST displays, reports, tools

AM-1 SAS

- SAS workstation co-located in EOC
- Standard carry-out files

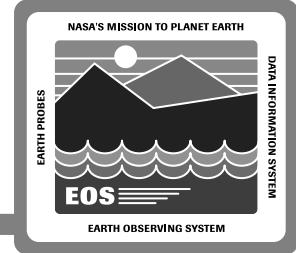
AM-1 SDVF (Valley Forge SDF & Code 512 FSTB)

- Common file formats
 - Load contents files
 - Dump files

AM-1 Project Data Base DFCD

- Defines formats for EOC PDB contents
- Defines interface with AM Project, Instrument Teams

FOS External Interfaces (cont)



FDF

- FDF workstations co-located in EOC
 - FDF product generation (including planning aids)
 - IST interface for RTADS
 - Carry-out files for analysis
- Parameter-level formats defined by FOS

EDOS

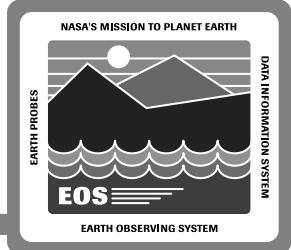
- Multi-cast on real time links
- PLOP moved to EOC

SSIM

- Identical to EDOS command & telemetry interfaces
- Interface via ETS

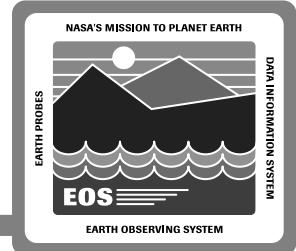
NCC & JPL/DSN

- Institutional capabilities



Interface Issues

Interface	Issue	Action
ASTER GDS	DCE cell configurations & COTS compatibility	Establish prototype cell in early '96; work with ESDIS for waivers, if necessary
ASTER GDS	DAR IDs in STS, ODS	Work with ASTER SDPS and ECS SDPS
EDOS	Schedule for Final ICD	Continue proactive contact with EDOS
EDOS	CODA content & formats	Resolve in 10/95 ICD
EDOS	Trash Buffer requirement	CCR required (ESDIS action)
FDF	Schedule for Final ICD	Continue proactive contact with FDF
FDF	Planning aids requirements creep	DMR baseline established for 10/95 ICD
FDF	Product file groupings	Resolve in 10/95 ICD



Interface Issues (cont.)

Interface	Issue	Action
SAS	Undocumented requirements	CCR required (AM Project action)
SAS	Trash Buffer requirement	CCR required (AM Project action)
SDVF	IST at Valley Forge SDF	CCR submitted (under evaluation)
SSIM	Schedule for Final ICD	Proactively work with AM Project